Improvements to Roads and Drains at
Maruthi Saw Mill Road Surrounding Area
Roads in Ward No 06 Thanisandra

EMB

First and Final Bill

Pre-Measurement Sheet

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward No 06 Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.01		Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Culvert Pcc									
		Maruthi saw mill Main road									
		Main road									
		LHS (North Side)									
		From Thanisandra Main Road To Masjid Road									
			Cum	2	5.00	1.50	1.50	1.50	0.23	3.45	
			Cum	2	7.10	1.50	1.50	1.50	0.23	4.90	
			Cum	2	6.30	1.50	1.50	1.50	0.23	4.35	
			Cum	2	5.60	1.50	1.50	1.50	0.23	3.86	
			Cum	2	3.70	1.50	1.50	1.50	0.23	2.55	
		RHS (South Side)									
		From Masjid Road to Thanisandra Main Road									
			Cum	2	4.40	1.50	1.50	1.50	0.23	3.04	
			Cum	2	6.00	1.50	1.50	1.50	0.23	4.14	
			Cum	2	4.30	1.50	1.50	1.50	0.23	2.97	
			Cum	2	5.60	1.50	1.50	1.50	0.23	3.86	
			Cum	2	5.00	1.50	1.50	1.50	0.23	3.45	
			Cum	2	5.00	1.50	1.50	1.50	0.23	3.45	
			Cum	2	5.60	1.50	1.50	1.50	0.23	3.86	
									Total Executed Quantity	**43.88**	
									Qty Carried to Summary	**43.88**	

Contactor

Assistant Engineer

Scanned by CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward No 06 Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.02		Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Culvert Pcc									
		Maruthi saw mill Main road									
		Main road									
		LHS (North Side)									
		From Thanisandra Main Road To Masjid Road									
			Cum	1	5.00	1.50	1.50	1.50	0.23	1.73	
			Cum	1	7.10	1.50	1.50	1.50	0.23	2.45	
			Cum	1	6.30	1.50	1.50	1.50	0.23	2.17	
			Cum	1	5.60	1.50	1.50	1.50	0.23	1.93	
			Cum	1	3.70	1.50	1.50	1.50	0.23	1.28	
		RHS (South Side)									
		From Masjid Road to Thanisandra Main Road									
			Cum	1	4.40	1.50	1.50	1.50	0.23	1.52	
			Cum	1	6.00	1.50	1.50	1.50	0.23	2.07	
			Cum	1	4.30	1.50	1.50	1.50	0.23	1.48	
			Cum	1	5.60	1.50	1.50	1.50	0.23	1.93	
			Cum	1	5.00	1.50	1.50	1.50	0.23	1.73	
			Cum	1	5.00	1.50	1.50	1.50	0.23	1.73	
			Cum	1	5.60	1.50	1.50	1.50	0.23	1.93	
									Total Executed Quantity	21.94	
									Qty Carried to Summary	21.94	

CC & FC

5/2/2024

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CIVIL ENGINEER BANGALORE

Contactor

PMC

05.02.2024

Assistant Engineer

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

5/2/24

Assistant executive Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward No 06 Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.03		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi saw mill Main road									
		Main road									
		LHS (North Side)									
		From Thanisandra Main Road To Masjid Road									
0	15		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
15	30		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
30	40.8		Cum	1	10.8	1.2	1.2	1.2	1.05	13.61	
40.8	45.8	new culvert	Cum	0	0	0	0	0	0.75	0.00	
45.8	60.8		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
60.8	75.8		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
75.8	92		Cum	1	16.2	1.2	1.2	1.2	1.05	20.41	
92	99.1	new culvert	Cum	0	0	0	0	0	0.75	0.00	
99.1	114.1		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
114.1	129.1		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
129.1	144.1		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
144.1	159.1		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
159.1	174.5		Cum	1	15.4	1.2	1.2	1.2	1.05	19.40	
174.5	180.8	new culvert	Cum	0	0	0	0	0	0.75	0.00	
180.8	195.8		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
195.8	205.5		Cum	1	9.7	1.2	1.2	1.2	1.05	12.22	
205.5	205.9	Electric Pole	Cum	0	0	0	0	0	0.75	0.00	
205.9	211.5	new culvert	Cum	0	0	0	0	0	0.75	0.00	
211.5	225.3		Cum	1	13.8	1.2	1.2	1.2	1.05	17.39	
225.3	229	new culvert	Cum	0	0	0	0	0	0.75	0.00	
229	229.7	No Slab	Cum	1	0.7	1.2	1.2	1.2	1.05	0.88	
229.7	244.7		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
244.7	255.3		Cum	1	10.6	1.2	1.2	1.2	1.05	13.36	
255.3	259.7	new culvert	Cum	0	0	0	0	0	0.75	0.00	
259.7	274.7		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
274.7	283.8		Cum	1	9.1	1.2	1.2	1.2	1.05	11.47	
283.8	284.8	No Work	Cum	0	0	1.2	1.2	1.2	1.05	0.00	
284.8	290.4	new culvert	Cum	0	0	0	0	0	0.75	0.00	
290.4	305.4		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
305.4	319.5		Cum	1	14.1	1.2	1.2	1.2	1.05	17.77	
319.5	325.6	new culvert	Cum	0	0	0	0	0	0.75	0.00	
325.6	340.6		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
340.6	355.6		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
355.6	359.6		Cum	1	4	1.2	1.2	1.2	1.05	5.04	
359.6	364	new culvert	Cum	0	0	0	0	0	0.75	0.00	
364	379		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
379	383.7		Cum	1	4.7	1.2	1.2	1.2	1.05	5.92	
383.7	388.7	new culvert	Cum	0	0	0	0	0	0.75	0.00	
388.7	406.1		Cum	1	17.4	1.2	1.2	1.2	1.05	21.92	
		RHS (South Side)									
		From Masjid Road to Thanisandra Main Road									
0	15		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
15	30.1		Cum	1	15.1	1.2	1.2	1.2	1.05	19.03	

480.82

Contactor

PMC

Assistant Engineer

Assistant executive Engineer

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1	34.5	new culvert	Cum	0	0	0	0	0	0.75	0.00	
.5	38		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
.5			Cum	1	12.5	1.2	1.2	1.2	1.05	15.75	
2	68	new culvert	Cum	0	0	0	0	0	0.75	0.00	
8	83		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
3	92.4		Cum	1	9.4	1.2	1.2	1.2	1.05	11.84	
.4	96.7	new culvert	Cum	0	0	0	0	0	0.75	0.00	
.7	111.7		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
1.7	118.7		Cum	1	7	1.2	1.2	1.2	1.05	8.82	
3.7	124.3	new culvert)	Cum	0	0	0	0	0	0.75	0.00	
4.3	139.3		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
9.3	145.2		Cum	1	5.9	1.2	1.2	1.2	1.05	7.43	
5.2	150.2	new culvert	Cum	0	0	0	0	0	0.75	0.00	
0.2	165.2		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
5.2	175.5		Cum	1	10.3	1.2	1.2	1.2	1.05	12.98	
5.5	180.5	new culvert	Cum	0	0	0	0	0	0.75	0.00	
0.5	193.7		Cum	1	13.2	1.2	1.2	1.2	1.05	16.63	
3.7	199.3	new culvert	Cum	0	0	0	0	0	0.75	0.00	
9.3	214.3		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
4.3	224.5		Cum	1	10.2	1.2	1.2	1.2	1.05	12.85	
4.5	225.1	No Work	Cum	0	0	0	0	0	0.75	0.00	
5.1	231.4	new culvert	Cum	0	0	0	0	0	0.75	0.00	
.4	247		Cum	1	15.6	1.2	1.2	1.2	1.05	19.66	
7	251.1	new culvert	Cum	0	0	0	0	0	0.75	0.00	
.1	266.1		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
6.1	276		Cum	1	9.9	1.2	1.2	1.2	1.05	12.47	
6	281.2	new culvert	Cum	0	0	0	0	0	0.75	0.00	
.2	296.2		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
6.2	306.8		Cum	1	10.6	1.2	1.2	1.2	1.05	13.36	
6.8	313.6	new culvert	Cum	0	0	0	0	0	0.75	0.00	
3.6	328.6		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
3.6	343.6		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
3.6	358.6		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
3.6	373.6		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
3.6	388.6		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
3.6	403.6		Cum	1	15	1.2	1.2	1.2	1.05	18.90	
.6	407.6		Cum	1	4	1.2	1.2	1.2	1.05	5.04	
		Maruthi Saw Mill Main Road (Right Side North Side)									
		Cross Road -1									
		LHS (West Side)									
		From South to North									
	15		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
	33		Cum	1	18	1.05	1.05	1.05	1.05	19.85	
		Cross Road -2									
		LHS (West Side)									
		From South to North									
	15		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
	32.95		Cum	1	17.95	1.05	1.05	1.05	1.05	19.79	
		Cross Road -4									
		LHS (West Side)									
		From South to North									
	15		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
	26.2		Cum	1	11.2	1.05	1.05	1.05	1.05	12.35	
		Cross Road -5									
		LHS (West Side)									
		From South to North									
	15		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
	32.4		Cum	1	17.4	1.05	1.05	1.05	1.05	19.18	

538.75

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-26

ntactor

PMC BANGALORE

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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		Cross Road -6									
		LHS (West Side)									
		From South to North									
)	15		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
5	29.5		Cum	1	14.5	1.05	1.05	1.05	1.05	15.99	
		Cross Road-7									
		LHS (West Side)									
		From South to North									
)	15		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
5	27.2		Cum	1	12.2	1.05	1.05	1.05	1.05	13.45	
		Cross Road -8									
		RHS (East Side)									
		From South to North									
)	15		Cum	1	15	1.2	1.2	1.2	0.95	17.10	
5	30		Cum	1	15	1.2	1.2	1.2	0.95	17.10	
)	39.7		Cum	1	9.7	1.2	1.2	1.2	0.95	11.06	
		Maruthi Saw Mill Main Road (Left Side South Side)									
		Cross Road -1									
		RHS (West Side)									
		From North to South									
	10		Cum	1	10	1.05	1.05	1.05	1.05	11.03	
)	21.4		Cum	1	11.4	1.05	1.05	1.05	1.05	12.57	
		Cross Road -2									
		RHS (West Side)									
		From North to South									
	15		Cum	1	15	1.15	1.15	1.15	1.05	18.11	
5	30		Cum	1	15	1.15	1.15	1.15	1.05	18.11	
)	45		Cum	1	15	1.15	1.15	1.15	1.05	18.11	
5	60		Cum	1	15	1.15	1.15	1.15	1.05	18.11	
)	75		Cum	1	15	1.15	1.15	1.15	1.05	18.11	
5	84.4		Cum	1	9.4	1.15	1.15	1.15	1.05	11.35	
.4	89		Cum	1	4.6	1.15	1.15	1.15	1.05	5.55	
		Cross Road-2 Adjucent Road									
		RHS (South Side)									
		From West to East									
	15		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
5	30		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
)	43.3		Cum	1	13.3	1.05	1.05	1.05	1.05	14.66	
		Cross Road -3									
		LHS (East Side)									
		From North to South									
	10		Cum	1	10	1.05	1.05	1.05	1.05	11.03	
)	21.5		Cum	1	11.5	1.05	1.05	1.05	1.05	12.68	
		Cross Road-5									
		RHS (West Side)									
		From North to South									
	15		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
5	30		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
)	42.4		Cum	1	12.4	1.05	1.05	1.05	1.05	13.67	
		Cross Road -6									
		RHS (West Side)									
		From North to South									
	15		Cum	1	15	1.05	1.05	1.05	1.05	16.54	

37.5.56

CIVIL PRO BANGALORE PMC

ntactor

Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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30		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
45		Cum	1	14.1	1.05	1.05	1.05	1.05	15.55	
	Cross Road -7									
	RHS (West Side)									
	From North to South									
15		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
30		Cum	1	15	1.05	1.05	1.05	1.05	16.54	
42.6		Cum	1	12.6	1.05	1.05	1.05	1.05	13.89	
	Muninagappa Layout									
	1st Main Road									
	RHS (North Side)									
	From MA Chicken Corner To Anjaneya Prasanna Shop									
15		Cum	1	15	1.25	1.25	1.25	0.95	17.81	
26.2		Cum	1	11.2	1.25	1.25	1.25	0.95	13.30	
32.3	Culvert	Cum	1	0	1.25	1.25	1.25	0.95	0.00	
45		Cum	1	12.7	1.25	1.25	1.25	0.95	15.08	
60		Cum	1	15	1.25	1.25	1.25	0.95	17.81	
75		Cum	1	15	1.25	1.25	1.25	0.95	17.81	
90		Cum	1	15	1.25	1.25	1.25	0.95	17.81	
100		Cum	1	10	1.25	1.25	1.25	0.95	11.88	
	Culvert Pce									
	Maruthi saw mill Main road									
	Main road									
	LHS (North Side)									
	From Thanisandra Main Road To Masjid Road									
		Cum	1	5	1.5	1.5	1.5	1.10	8.25	
		Cum	1	7.1	1.8	1.8	1.8	1.10	14.06	
		Cum	1	6.3	1.5	1.5	1.5	1.10	10.40	
		Cum	1	5.6	1.8	1.8	1.8	1.10	11.09	
		Cum	1	3.7	1.8	1.8	1.8	1.10	[illegible]	
		Cum	1	4.4	1.5	1.5	1.5	1.10	7.26	
		Cum	1	5.6	1.5	1.5	1.5	1.10	9.24	
		Cum	1	6.1	1.5	1.5	1.5	1.10	10.07	
		Cum	1	4.4	1.5	1.5	1.5	1.10	7.26	
		Cum	1	5	1.5	1.5	1.5	1.10	8.25	
	RHS (South Side)									
	From Masjid Road to Thanisandra Main Road									
		Cum	1	4.4	1.5	1.5	1.5	1.10	7.26	
		Cum	1	6	1.5	1.5	1.5	1.10	9.90	
		Cum	1	4.3	1.5	1.5	1.5	1.10	7.10	
		Cum	1	5.6	1.5	1.5	1.5	1.10	9.24	
		Cum	1	5	1.5	1.5	1.5	1.10	8.25	
		Cum	1	5	1.5	1.5	1.5	1.10	8.25	
		Cum	1	5.6	1.5	1.5	1.5	1.10	9.24	
		Cum	1	6.3	1.5	1.5	1.5	1.10	10.40	
		Cum	1	4.1	1.5	1.5	1.5	1.10	6.76	
		Cum	1	5.2	1.5	1.5	1.5	1.10	8.58	
		Cum	1	6.8	1.5	1.5	1.5	1.10	11.22	534.96
								Total Executed Quantity	1773.07	1792.87
								Qty Carried to Summary	1773.07	

10/2/24
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬೆಂಗಳೂರು-26

CIVIL Pro BANGALORE BMC

ntactor

10/2/2024
ಸಹಾಯಕ ಅಭಿಯಂತರರು
Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

10/2/24
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Assistant Executive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Scanned by CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

AME: WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward No 06 Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.04		Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		15.02.2021									
		Drain PCC									
		Maruthi saw mill Main road									
		Main road									
		LHS (North Side)									
		From Thanisandra Main Road To Masjid Road									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30	40.8		Cum	1	10.80	1.20	1.20	1.20	0.15	1.94	
40.8	45.8	new culvert	Cum	0	0.00						
45.8	60.8		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
60.8	75.8		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
75.8	92		Cum	1	16.20	1.20	1.20	1.20	0.15	2.92	
92	99.1	new culvert	Cum	0	0.00						
99.1	114.1		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
114.1	129.1		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
129.1	144.1		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
144.1	159.1		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
159.1	174.5		Cum	1	15.40	1.20	1.20	1.20	0.15	2.77	
174.5	180.8	new culvert	Cum	0	0.00						
180.8	195.8		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
195.8	205.5		Cum	1	9.70	1.20	1.20	1.20	0.15	1.75	
205.5	205.9	Electric Pole	Cum	0	0.00						
205.9	211.5	new culvert	Cum	0	0.00						
211.5	225.3		Cum	1	13.80	1.20	1.20	1.20	0.15	2.48	
225.3	229	new culvert	Cum	0	0.00						
229	229.7	No Slab	Cum	1	0.70	1.20	1.20	1.20	0.15	0.13	
229.7	244.7		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
244.7	255.3		Cum	1	10.60	1.20	1.20	1.20	0.15	1.91	
255.3	259.7	new culvert	Cum	0	0.00						
259.7	274.7		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
274.7	283.8		Cum	1	9.10	1.20	1.20	1.20	0.15	1.64	
283.8	284.8	No Work	Cum	0	0.00	1.20	1.20	1.20	0.15	0.00	
284.8	290.4	new culvert	Cum	0	0.00						
290.4	305.4		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
305.4	319.5		Cum	1	14.10	1.20	1.20	1.20	0.15	2.54	
319.5	325.6	new culvert	Cum	0	0.00						
325.6	340.6		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
340.6	355.6		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
355.6	359.6		Cum	1	4.00	1.20	1.20	1.20	0.15	0.72	
359.6	364	new culvert	Cum	0	0.00						
364	379		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
379	383.7		Cum	1	4.70	1.20	1.20	1.20	0.15	0.85	
383.7	388.7	new culvert	Cum	0	0.00						
388.7	406.1		Cum	1	17.40	1.20	1.20	1.20	0.15	3.13	

63.27

Contactor

PMC

Assistant Engineer

Assistant excutive Engineer

Scanned by CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward No 06 Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.04		Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		15.02.2024									
		Drain PCC									
		Maruthi saw mill Main road									
		Main road									
		LHS (North Side)									
		From Thanisandra Main Road To Masjid Road									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30	40.8		Cum	1	10.80	1.20	1.20	1.20	0.15	1.94	
40.8	45.8	new culvert	Cum	0	0.00						
45.8	60.8		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
60.8	75.8		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
75.8	92		Cum	1	16.20	1.20	1.20	1.20	0.15	2.92	
92	99.1	new culvert	Cum	0	0.00						
99.1	114.1		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
114.1	129.1		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
129.1	144.1		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
144.1	159.1		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
159.1	174.5		Cum	1	15.40	1.20	1.20	1.20	0.15	2.77	
174.5	180.8	new culvert	Cum	0	0.00						
180.8	195.8		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
195.8	205.5		Cum	1	9.70	1.20	1.20	1.20	0.15	1.75	
205.5	205.9	Electric Pole	Cum	0	0.00						
205.9	211.5	new culvert	Cum	0	0.00						
211.5	225.3		Cum	1	13.80	1.20	1.20	1.20	0.15	2.48	
225.3	229	new culvert	Cum	0	0.00						
229	229.7	No Slab	Cum	1	0.70	1.20	1.20	1.20	0.15	0.13	
229.7	244.7		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
244.7	255.3		Cum	1	10.60	1.20	1.20	1.20	0.15	1.91	
255.3	259.7	new culvert	Cum	0	0.00						
259.7	274.7		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
274.7	283.8		Cum	1	9.10	1.20	1.20	1.20	0.15	1.64	
283.8	284.8	No Work	Cum	0	0.00	1.20	1.20	1.20	0.15	0.00	X
284.8	290.4	new culvert	Cum	0	0.00						
290.4	305.4		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
305.4	319.5		Cum	1	14.10	1.20	1.20	1.20	0.15	2.54	
319.5	325.6	new culvert	Cum	0	0.00						
325.6	340.6		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
340.6	355.6		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
355.6	359.6		Cum	1	4.00	1.20	1.20	1.20	0.15	0.72	
359.6	364	new culvert	Cum	0	0.00						
364	379		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
379	383.7		Cum	1	4.70	1.20	1.20	1.20	0.15	0.85	
383.7	388.7	new culvert	Cum	0	0.00						
388.7	406.1		Cum	1	17.40	1.20	1.20	1.20	0.15	3.13	

63.27

15/2/2024

Contactor

PMC

Assistant Engineer

Assistant exicutive Engineer

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		RHS (South Side)									
		From Masjid Road to Thanisandra Main Road									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30.1		Cum	1	15.10	1.20	1.20	1.20	0.15	2.72	
0.1	34.5	new culvert	Cum	0	0.00						
4.5	49.5		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
9.5	62		Cum	1	12.50	1.20	1.20	1.20	0.15	2.25	
62	68	new culvert	Cum	0	0.00						
68	83		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
83	92.4		Cum	1	9.40	1.20	1.20	1.20	0.15	1.69	
2.4	96.7	new culvert	Cum	0	0.00						
6.7	111.7		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
11.7	118.7		Cum	1	7.00	1.20	1.20	1.20	0.15	1.26	
18.7	124.3	new culvert)	Cum	0	0.00						
24.3	139.3		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
39.3	145.2		Cum	1	5.90	1.20	1.20	1.20	0.15	1.06	
45.2	150.2	new culvert	Cum	0	0.00						
50.2	165.2		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
65.2	175.5		Cum	1	10.30	1.20	1.20	1.20	0.15	1.85	
75.5	180.5	new culvert	Cum	0	0.00						
80.5	193.7		Cum	1	13.20	1.20	1.20	1.20	0.15	2.38	
93.7	199.3	new culvert	Cum	0	0.00						
99.3	214.3		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
14.3	224.5		Cum	1	10.20	1.20	1.20	1.20	0.15	1.84	
24.5	225.1	No Work	Cum	0	0.00						
25.1	231.4	new culvert	Cum	0	0.00						
31.4	247		Cum	1	15.60	1.20	1.20	1.20	0.15	2.81	
247	251.1	new culvert	Cum	0	0.00						
51.1	266.1		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
66.1	276		Cum	1	9.90	1.20	1.20	1.20	0.15	1.78	
276	281.2	new culvert	Cum	0	0.00						
81.2	296.2		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
96.2	306.8		Cum	1	10.60	1.20	1.20	1.20	0.15	1.91	
06.8	313.6	new culvert	Cum	0	0.00						
13.6	328.6		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
28.6	343.6		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
43.6	358.6		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
58.6	373.6		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
73.6	388.6		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
88.6	403.6		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
03.6	407.6		Cum	1	4.00	1.20	1.20	1.20	0.15	0.72	
		Maruthi Saw Mill Main Road (Right Side North Side)									
		Cross Road -1									
		LHS (West Side)									
		From South to North									
0	15		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
15	33		Cum	1	18.00	1.05	1.05	1.05	0.15	2.84	
		Cross Road -2									
		LHS (West Side)									
		From South to North									
0	15		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
15	32.95		Cum	1	17.95	1.05	1.05	1.05	0.15	2.83	
		Cross Road -4									
		LHS (West Side)									
		From South to North									
0	15		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
15	26.2		Cum	1	11.20	1.05	1.05	1.05	0.15	1.76	

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15/2/24

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CIVIL PTO BANGALORE

Contactor

Assistant Engineer

Assistant executive Engineer

Scanned by CamScanner

		Cross Road -5									
		LHS (West Side)									
		From South to North									
0	15		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
15	32.4		Cum	1	17.40	1.05	1.05	1.05	0.15	2.74	
		Cross Road -6									
		LHS (West Side)									
		From South to North									
0	15		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
15	29.5		Cum	1	14.50	1.05	1.05	1.05	0.15	2.28	
		Cross Road-7									
		LHS (West Side)									
		From South to North									
0	15		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
15	27.2		Cum	1	12.20	1.05	1.05	1.05	0.15	1.92	
		Cross Road -8									
		RHS (East Side)									
		From South to North									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30	39.7		Cum	1	9.70	1.20	1.20	1.20	0.15	1.75	
		Maruthi Saw Mill Main Road (Left Side South Side)									
		Cross Road -1									
		RHS (West Side)									
		From North to South									
0	10		Cum	1	10.00	1.05	1.05	1.05	0.15	1.58	
10	21.4		Cum	1	11.40	1.05	1.05	1.05	0.15	1.80	
		Cross Road -2									
		RHS (West Side)									
		From North to South									
0	15		Cum	1	15.00	1.15	1.15	1.15	0.15	2.59	
15	30		Cum	1	15.00	1.15	1.15	1.15	0.15	2.59	
30	45		Cum	1	15.00	1.15	1.15	1.15	0.15	2.59	
45	60		Cum	1	15.00	1.15	1.15	1.15	0.15	2.59	
60	75		Cum	1	15.00	1.15	1.15	1.15	0.15	2.59	
75	84.4		Cum	1	9.40	1.15	1.15	1.15	0.15	1.62	
84.4	89		Cum	1	4.60	1.15	1.15	1.15	0.15	0.79	
		Cross Road-2 Adjucent Road									
		RHS (South Side)									
		From West to East									
0	15		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
15	30		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
30	43.3		Cum	1	13.30	1.05	1.05	1.05	0.15	2.09	
		Cross Road -3									
		LHS (East Side)									
		From North to South									
0	10		Cum	1	10.00	1.05	1.05	1.05	0.15	1.58	
10	21.5		Cum	1	11.50	1.05	1.05	1.05	0.15	1.81	
		Cross Road-5									
		RHS (West Side)									
		From North to South									
0	15		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
15	30		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	

Sh.83

Contactor

CIVIL Pro BANGALORE

Assistant Engineer

Scanned by CamScanner

30			Cum	1	12.40	1.05	1.05	1.05	0.15	1.95	
		Cross Road -6									
		RHS (West Side)									
		From North to South									
0	15		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
15	30		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
30	44.1		Cum	1	14.10	1.05	1.05	1.05	0.15	2.22	
		Cross Road -7									
		RHS (West Side)									
		From North to South									
0	15		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
15	30		Cum	1	15.00	1.05	1.05	1.05	0.15	2.36	
30	42.6		Cum	1	12.60	1.05	1.05	1.05	0.15	1.98	
		Muninagappa Layout									
		1st Main Road									
		RHS (North Side)									
		From MA Chicken Corner To Anjaneya Prasanna Shop									
0	15		Cum	1	15.00	1.25	1.25	1.25	0.15	2.81	
15	26.2		Cum	1	11.20	1.25	1.25	1.25	0.15	2.10	
26.2	32.3	Culvert	Cum	1	0.00	1.25	1.25	1.25	0.15	0.00	
32.3	45		Cum	1	12.70	1.25	1.25	1.25	0.15	2.38	
45	60		Cum	1	15.00	1.25	1.25	1.25	0.15	2.81	
60	75		Cum	1	15.00	1.25	1.25	1.25	0.15	2.81	
75	90		Cum	1	15.00	1.25	1.25	1.25	0.15	2.81	
90	100		Cum	1	10.00	1.25	1.25	1.25	0.15	1.88	
		Culvert Pcc									
		Maruthi saw mill Main road									
		Main road									
		LHS (North Side)									
		From Thanisandra Main Road To Masjid Road									
			Cum	1	5.00	1.50	1.50	1.50	0.15	1.13	
			Cum	1	7.10	1.80	1.80	1.80	0.15	1.92	
			Cum	1	6.30	1.50	1.50	1.50	0.15	1.42	
			Cum	1	5.60	1.80	1.80	1.80	0.15	1.51	
			Cum	1	3.70	1.80	1.80	1.80	0.15	1.00	
			Cum	1	4.40	1.50	1.50	1.50	0.15	0.99	
			Cum	1	5.60	1.50	1.50	1.50	0.15	1.26	
			Cum	1	6.10	1.50	1.50	1.50	0.15	1.37	
			Cum	1	4.40	1.50	1.50	1.50	0.15	0.99	
			Cum	1	5.00	1.50	1.50	1.50	0.15	1.13	
		RHS (South Side)									
		From Masjid Road to Thanisandra Main Road									
			Cum	1	4.40	1.50	1.50	1.50	0.15	0.99	
			Cum	1	6.00	1.50	1.50	1.50	0.15	1.35	
			Cum	1	4.30	1.50	1.50	1.50	0.15	0.97	
			Cum	1	5.60	1.50	1.50	1.50	0.15	1.26	
			Cum	1	5.00	1.50	1.50	1.50	0.15	1.13	
			Cum	1	5.00	1.50	1.50	1.50	0.15	1.13	
			Cum	1	5.60	1.50	1.50	1.50	0.15	1.26	
			Cum	1	6.30	1.50	1.50	1.50	0.15	1.42	
			Cum	1	4.10	1.50	1.50	1.50	0.15	0.92	
			Cum	1	5.20	1.50	1.50	1.50	0.15	1.17	
			Cum	1	6.80	1.50	1.50	1.50	0.15	1.53	

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

59.04

Contactor

Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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Measurements taken on											
		28-04-2021									
		Road PCC									
		Maruthi Saw Mill Main Road (Right Side North Side)									
		Cross Road -1									
		From South to North									
0	15		Cum	1	15.00	4.80	4.70	4.75	0.15	10.69	
15	33		Cum	1	18.00	4.70	4.40	4.55	0.15	12.29	
		Cross Road -2									
		From South to North									
0	12.2		Cum	1	12.20	4.20	4.30	4.25	0.15	7.78	
12.2	18.4		Cum	1	6.20	4.95	4.80	4.88	0.15	4.53	
18.4	33		Cum	1	14.60	4.40	4.30	4.35	0.15	9.53	
		Cross Road -4									
		From South to North									
0	15		Cum	1	15.00	6.00	5.10	5.55	0.15	12.49	
15	23		Cum	1	8.00	5.10	5.10	5.10	0.15	6.12	
23	31		Cum	1	8.00	3.60	3.00	3.30	0.15	3.96	
31	33.4		Cum	1	2.40	4.00	3.80	3.90	0.15	1.40	
		Cross Road -5									
		From South to North									
0	15		Cum	1	15.00	2.00	4.40	3.20	0.15	7.20	
15	28.3		Cum	1	13.30	4.40	4.45	4.43	0.15	8.83	
28.3	32.6		Cum	1	4.30	4.45	4.50	4.48	0.15	2.89	
		Cross Road -6									
		LHS (West Side)									
		From South to North									
0	15		Cum	1	15.00	5.10	5.00	5.05	0.15	11.36	
15	30		Cum	1	15.00	5.00	4.80	4.90	0.15	11.03	
		Cross Road-7									
		From South to North									
0	15		Cum	1	15.00	5.25	5.00	5.13	0.15	11.53	
15	28.4		Cum	1	13.40	5.00	4.50	4.75	0.15	9.53	
		Maruthi Saw Mill Main Road (Left Side South Side)									
		Cross Road -1									
		RHS (West Side)									
		From North to South									
0	14.4		Cum	1	14.40	4.75	4.70	4.73	0.15	10.21	
14.4	21.4		Cum	1	7.00	4.70	4.90	4.80	0.15	5.04	
		Cross Road -2									
		From North to South									
0	15		Cum	1	15.00	5.25	5.10	5.18	0.15	11.64	
15	30		Cum	1	15.00	5.10	4.90	5.00	0.15	11.25	
30	45		Cum	1	15.00	4.90	4.70	4.80	0.15	10.80	
45	50		Cum	1	5.00	4.70	4.00	4.35	0.15	3.26	
50	60		Cum	1	10.00	4.90	4.90	4.90	0.15	7.35	
60	75		Cum	1	15.00	4.90	4.60	4.75	0.15	10.69	
75	86.9		Cum	1	11.90	4.60	4.80	4.70	0.15	8.39	
86.9	89.7		Cum	1	2.80	3.50	3.60	3.55	0.15	1.49	
		Cross Road-2 Adjucent Road									
		From West to East									
0	15		Cum	1	15.00	3.70	3.60	3.65	0.15	8.21	
15	30		Cum	1	15.00	3.60	3.50	3.55	0.15	7.99	

227.49

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Assistant Engineer

Assistant Executive Engineer

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0	6		Cum	1	14.60	3.50	3.50	3.50	0.15	7.67	
.6	52.7		Cum	1	8.10	4.20	3.80	4.00	0.15	4.86	
.7	59.8		Cum	1	7.10	2.40	2.45	2.43	0.15	2.58	
		Cross Road -3									
		From North to South									
0	15		Cum	1	15.00	4.85	4.90	4.88	0.15	10.97	
5	21		Cum	1	6.00	4.90	4.90	4.90	0.15	4.41	
21	22.1		Cum	1	1.10	4.10	3.70	3.90	0.15	0.64	
		Cross Road-5									
		From North to South									
0	15.1		Cum	1	15.10	5.10	4.90	5.00	0.15	11.33	
5.1	30		Cum	1	14.90	5.20	5.00	5.10	0.15	11.40	
30	36.5		Cum	1	6.50	5.00	4.95	4.98	0.15	4.85	
6.5	43.2		Cum	1	6.70	4.65	4.40	4.53	0.15	4.55	
		Cross Road -6									
		From North to South									
0	4		Cum	1	4.00	2.10	4.90	3.50	0.15	2.10	
4	15		Cum	1	11.00	5.10	5.00	5.05	0.15	8.33	
15	30		Cum	1	15.00	5.00	4.50	4.75	0.15	10.69	
30	44.2		Cum	1	14.20	4.50	4.05	4.28	0.15	9.11	
		Cross Road -7									
		From North to South									
0	15		Cum	1	15.00	5.00	4.90	4.95	0.15	11.14	
15	32		Cum	1	17.00	4.90	4.70	4.80	0.15	12.20	
32	42.7		Cum	1	10.70	4.70	4.75	4.73	0.15	7.58	
42.7	45		Cum	1	2.30	5.70	5.80	5.75	0.15	1.98	
									126.42		
		Deduction									
			Cum	-1	2.10	0.50	0.50	0.50	0.15	-0.16	
			Cum	-1	1.10	0.55	0.55	0.55	0.15	-0.09	
			Cum	-1	1.60	0.70	0.70	0.70	0.15	-0.17	
			Cum	-1	0.60	0.60	0.60	0.60	0.15	-0.05	
			Cum	-2	0.30	0.30	0.30	0.30	0.15	-0.03	
			Cum	-1	0.80	0.23	0.23	0.23	0.15	-0.03	
		Chember									
			Cum	-10	0.44				0.15	-0.66	
					Area of circle=(3.14X0.75²)/4=0.44						
			Cum	-6	0.64				0.15	-0.57	(-) 1.76
					Area of circle=(3.14X0.9²)/4=0.64						
										Total Executed Quantity	606.57
										Qty Carried to Summary	606.57

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Contactor PMC

Assistant Engineer

Assistant Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

AME OF WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward No 06 Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

Chainage om	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.06		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
easurements taken on											
		For Drain	Tonne	From Steel Calculation Sheet						33.13	
		For Culvert	Tonne	From Steel Calculation Sheet						6.56	
									Total Executed Quantity	39.69	
									Qty Carried to Summary	39.69	

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

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PMC

ಸಹಾಯಕ ಅಭಿಯಂತರರು
Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
Assistant exicutive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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Ward No 06)

BRUHAT BANGALORE MAHANAGARA PALIKE

E OF WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

STEEL CALCULATION

O	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
5	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer in charge								
	easurements Taken On;	25-02-2024							
	Present Bill Measurements								
	For RCC Drain								
	Maruthi saw mill Main road								
	Main road								
	LHS (North Side)								
	From Thanisandra Main Road To Masjid Road								
	Main Bars (#12@140 c/c)	1	12	2511	2511	2.70	6778.93	0.89	6018.43
	Distribution(15-#10)	1	10	15	15	351.50	5272.50	0.62	3250.69
	RHS (South Side)								
	From Masjid Road to Thanisandra Main Road								
	Main Bars (#12@140 c/c)	1	12	2491	2491	2.70	6724.93	0.89	5970.49
	Distribution(15-#10)	1	10	15	15	348.70	5230.50	0.62	3224.80
	Maruthi Saw Mill Main Road (Right Side North Side)								
	Cross Road -1								
	LHS (West Side)								
	From South to North								
	Main Bars (#12@140 c/c)	1	12	236	236	2.55	601.07	0.89	533.64
	Distribution(12-#10)	1	10	12	12	33.00	396.00	0.62	244.15

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Assistant Engineer

Assistant executive Engineer

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Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
Cross Road -2								
LHS (West Side)								
From South to North								
Main Bars (#12@140 c/c)	1	12	220	220	2.55	560.15	0.89	497.31
Distribution(12-#10)	1	10	12	12	32.95	395.40	0.62	243.78
Cross Road -4								
LHS (West Side)								
From South to North								
Main Bars (#12@140 c/c)	1	12	187	187	2.55	477.21	0.89	423.68
Distribution(12-#10)	1	10	12	12	26.20	314.40	0.62	193.84
Cross Road -5								
LHS (West Side)								
From South to North								
Main Bars (#12@140 c/c)	1	12	231	231	2.55	590.14	0.89	523.94
Distribution(12-#10)	1	10	12	12	32.40	388.80	0.62	239.71
Cross Road -6								
LHS (West Side)								
From South to North								
Main Bars (#12@140 c/c)	1	12	211	211	2.55	537.32	0.89	477.04
Distribution(12-#10)	1	10	12	12	29.50	354.00	0.62	218.25
Cross Road-7								
LHS (West Side)								
From South to North								
Main Bars (#12@140 c/c)	1	12	194	194	2.55	495.43	0.89	439.85
Distribution(12-#10)	1	10	12	12	27.20	326.40	0.62	201.24
Cross Road -8								
RHS (East Side)								
From South to North								
Main Bars (#12@140 c/c)	1	12	284	284	2.50	708.93	0.89	629.40
Distribution(12-#10)	1	10	12	12	39.70	476.40	0.62	293.72

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Assistant Engineer
Assistant exicutive Engineer

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NO	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
	Maruthi Saw Mill Main Road (Left Side South Side)								
	Cross Road -1								
	RHS (West Side)								
	From North to South								
	Main Bars (#12@140 c/c)	1	12	153	153	2.55	389.79	0.89	346.06
	Distribution(12-#10)	1	10	12	12	21.40	256.80	0.62	158.33
	Cross Road -2								
	RHS (West Side)								
	From North to South								
	Main Bars (#12@140 c/c)	1	12	636	636	2.55	1621.07	0.89	1439.21
	Distribution(12-#10)	1	10	12	12	89.00	1068.00	0.62	658.46
	Cross Road-2 Adjoecent Road								
	RHS (South Side)								
	From West to East								
	Main Bars (#12@140 c/c)	1	12	309	309	2.55	788.68	0.89	700.20
	Distribution(12-#10)	1	10	12	12	43.30	519.60	0.62	320.35
	Cross Road -3								
	LHS (East Side)								
	From North to South								
	Main Bars (#12@140 c/c)	1	12	154	154	2.55	391.61	0.89	347.67
	Distribution(13-#10)	1	10	13	13	21.50	279.50	0.62	172.32
	Cross Road-5								
	RHS (West Side)								
	From North to South								
	Main Bars (#12@140 c/c)	1	12	303	303	2.55	772.29	0.89	685.65
	Distribution(13-#10)	1	10	13	13	42.40	551.20	0.62	339.84

CIVIL Pro BANGALORE

Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	Cross Road -6								
	RHS (West Side)								
	From North to South								
	Main Bars (#12@140 c/c)	1	12	315	315	2.55	803.25	0.89	713.14
	Distribution(13-#10)	1	10	13	13	44.10	573.30	0.62	353.46
	Cross Road -7								
	RHS (West Side)								
	From North to South								
	Main Bars (#12@140 c/c)	1	12	304	304	2.55	775.93	0.89	688.88
	Distribution(13-#10)	1	10	13	13	42.60	553.80	0.62	341.44
	Muninagappa Layout								
	1st Main Road								
	RHS (North Side)								
	From MA Chicken Corner To Anjaneya Prasanna Shop								
	Main Bars (#12@140 c/c)	1	12	671	671	2.50	1676.79	0.89	1488.67
	Distribution(13-#10)	1	10	13	13	93.90	1220.70	0.62	752.61
								QTY IN KG'S	33130.23
								QTY IN TONNE	33.13
	For Culvert								
	Maruthi saw mill Main road								
	Main road								
	LHS (North Side)								
	From Thanisandra Main Road To Masjid Road								
	12# @140 c/c main bars	1	12	36	36	5.70	203.57	0.89	180.73
	10# @160 c/c Distrubution bars	1	10	36	36	5.00	178.13	0.62	109.82
	12# @140 c/c main bars	1	12	51	51	6.20	314.43	0.89	279.15
	10# @160 c/c Distrubution bars	1	10	39	39	7.10	275.13	0.62	169.62

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Assistant Executive Engineer

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NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	12# @140 c/c main bars	1	12	45	45	5.70	256.50	0.89	227.72
	10# @160 c/c Distrubution bars	1	10	36	36	6.30	224.44	0.62	138.37
	12# @140 c/c main bars	1	12	40	40	6.20	248.00	0.89	220.18
	10# @160 c/c Distrubution bars	1	10	39	39	5.60	217.00	0.62	133.79
	12# @140 c/c main bars	1	12	26	26	6.20	163.86	0.89	145.47
	10# @160 c/c Distrubution bars	1	10	39	39	3.70	143.38	0.62	88.40
	12# @140 c/c main bars	1	12	31	31	5.70	179.14	0.89	159.05
	10# @160 c/c Distrubution bars	1	10	36	36	4.40	156.75	0.62	96.64
	12# @140 c/c main bars	1	12	40	40	5.70	228.00	0.89	202.42
	10# @160 c/c Distrubution bars	1	10	36	36	5.60	199.50	0.62	123.00
	12# @140 c/c main bars	1	12	44	44	5.70	248.36	0.89	220.49
	10# @160 c/c Distrubution bars	1	10	36	36	6.10	217.31	0.62	133.98
	12# @140 c/c main bars	1	12	31	31	5.70	179.14	0.89	159.05
	10# @160 c/c Distrubution bars	1	10	36	36	4.40	156.75	0.62	96.64
	12# @140 c/c main bars	1	12	36	36	5.70	203.57	0.89	180.73
	10# @160 c/c Distrubution bars	1	10	36	36	5.00	178.13	0.62	109.82
	RHS (South Side)								
	From Masjid Road to Thanisandra Main Road								
	12# @140 c/c main bars	1	12	31	31	5.70	179.14	0.89	159.05
	10# @160 c/c Distrubution bars	1	10	36	36	4.40	156.75	0.62	96.64
	12# @140 c/c main bars	1	12	43	43	5.70	244.29	0.89	216.88
	10# @160 c/c Distrubution bars	1	10	36	36	6.00	213.75	0.62	131.78

CIVIL Pro BANGALORE

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Assistant executive Engineer

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NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	12# @140 c/c main bars	1	12	31	31	5.70	175.07	0.89	155.43
	10# @160 c/c Distrubution bars	1	10	36	36	4.30	153.19	0.62	94.45
	12# @140 c/c main bars	1	12	40	40	5.70	228.00	0.89	202.42
	10# @160 c/c Distrubution bars	1	10	36	36	5.60	199.50	0.62	123.00
	12# @140 c/c main bars	1	12	36	36	5.70	203.57	0.89	180.73
	10# @160 c/c Distrubution bars	1	10	36	36	5.00	178.13	0.62	109.82
	12# @140 c/c main bars	1	12	36	36	5.70	203.57	0.89	180.73
	10# @160 c/c Distrubution bars	1	10	36	36	5.00	178.13	0.62	109.82
	12# @140 c/c main bars	1	12	40	40	5.70	228.00	0.89	202.42
	10# @160 c/c Distrubution bars	1	10	36	36	5.60	199.50	0.62	123.00
	12# @140 c/c main bars	1	12	45	45	5.70	256.50	0.89	227.72
	10# @160 c/c Distrubution bars	1	10	36	36	6.30	224.44	0.62	138.37
	12# @140 c/c main bars	1	12	29	29	5.70	166.93	0.89	148.20
	10# @160 c/c Distrubution bars	1	10	36	36	4.10	146.06	0.62	90.05
	12# @140 c/c main bars	1	12	37	37	5.70	211.71	0.89	187.96
	10# @160 c/c Distrubution bars	1	10	36	36	5.20	185.25	0.62	114.21
	12# @140 c/c main bars	1	12	49	49	5.70	276.86	0.89	245.80
	10# @160 c/c Distrubution bars	1	10	36	36	6.80	242.25	0.62	149.36
							QTY IN KG'S		6562.96
							QTY IN TONNE		6.56
							TOTAL QTY IN KG'S		39693.19
							TOTAL QTY IN TONNE		39.69

CIVIL PRO BANGALORE

PMC

Assistant Engineer

Assistant exicutive Engineer

ntactor

Scanned by CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward No 06 Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.09		Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		16.04.2021									
		Maruthi saw mill Main road									
		Main road									
		LHS (North Side)									
		From Thanisandra Main Road To Masjid Road									
0	15		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
15	30		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
30	40.8		Cum	1	10.8	0.2	0.20	0.20	0.10	0.22	
40.8	45.8	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
45.8	60.8		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
60.8	75.8		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
75.8	92		Cum	1	16.2	0.2	0.20	0.20	0.10	0.32	
92	99.1	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
99.1	114.1		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
114.1	129.1		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
129.1	144.1		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
144.1	159.1		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
159.1	174.5		Cum	1	15.4	0.2	0.20	0.20	0.10	0.31	
174.5	180.8	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
180.8	195.8		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
195.8	205.5		Cum	1	9.7	0.2	0.20	0.20	0.10	0.19	
205.5	205.9	Electric Pole	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
205.9	211.5	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
211.5	225.3		Cum	1	13.8	0.2	0.20	0.20	0.10	0.28	
225.3	229	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
229	229.7	No Slab	Cum	0	0.7	0.2	0.20	0.20	0.10	0.00	
229.7	244.7		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
244.7	255.3		Cum	1	10.6	0.2	0.20	0.20	0.10	0.21	
255.3	259.7	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
259.7	274.7		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
274.7	283.8		Cum	1	9.1	0.2	0.20	0.20	0.10	0.18	
283.8	284.8	No Work	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
284.8	290.4	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
290.4	305.4		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
305.4	319.5		Cum	1	14.1	0.2	0.20	0.20	0.10	0.28	
319.5	325.6	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
325.6	340.6		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
340.6	355.6		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
355.6	359.6		Cum	1	4	0.2	0.20	0.20	0.10	0.08	
359.6	364	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
364	379		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
379	383.7		Cum	1	4.7	0.2	0.20	0.20	0.10	0.09	
383.7	388.7	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
388.7	406.1		Cum	1	17.4	0.2	0.20	0.20	0.10	0.35	
		RHS (South Side)									
		From Masjid Road to Thanisandra Main Road									
0	15		Cum	1	15	0.2	0.20	0.20	0.10	0.30	

Contactor

PMC

Assistant Engineer

Assistant exicutive Engineer

Scanned by CamScanner

BBMP (Ward No 06)

15	30.1		Cum	1	15.1	0.2	0.20	0.20	0.10	0.30	
30.1	34.5	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
34.5	49.5		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
49.5	62		Cum	1	12.5	0.2	0.20	0.20	0.10	0.25	
62	68	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
68	83		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
83	92.4		Cum	1	9.4	0.2	0.20	0.20	0.10	0.19	
92.4	96.7	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
96.7	111.7		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
111.7	118.7		Cum	1	7	0.2	0.20	0.20	0.10	0.14	
118.7	124.3	new culvert)	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
124.3	139.3		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
139.3	145.2		Cum	1	5.9	0.2	0.20	0.20	0.10	0.12	
145.2	150.2	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
150.2	165.2		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
165.2	175.5		Cum	1	10.3	0.2	0.20	0.20	0.10	0.21	
175.5	180.5	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
180.5	193.7		Cum	1	13.2	0.2	0.20	0.20	0.10	0.26	
193.7	199.3	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
199.3	214.3		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
214.3	224.5		Cum	1	10.2	0.2	0.20	0.20	0.10	0.20	
224.5	225.1	No Work	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
225.1	231.4	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
231.4	247		Cum	1	15.6	0.2	0.20	0.20	0.10	0.31	
247	251.1	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
251.1	266.1		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
266.1	276		Cum	1	9.9	0.2	0.20	0.20	0.10	0.20	
276	281.2	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
281.2	296.2		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
296.2	306.8		Cum	1	10.6	0.2	0.20	0.20	0.10	0.21	
306.8	313.6	new culvert	Cum	0	0	0.2	0.20	0.20	0.10	0.00	
313.6	328.6		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
328.6	343.6		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
343.6	358.6		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
358.6	373.6		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
373.6	388.6		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
388.6	403.6		Cum	1	15	0.2	0.20	0.20	0.10	0.30	
403.6	407.6		Cum	1	4	0.2	0.20	0.20	0.10	0.08	6.67
									Total Executed Quantity	13.99	
									Qty Carried to Summary	13.99	

Contactor

CIVIL P/O BANGALORE PMC

Assistant Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward No 06 Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.12		Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi Saw Mill Main Road (Left Side South Side)									
		Cross Road -2									
		From North to South									
0	15		Cum	1	15.00	5.25	5.10	5.18	0.30	23.29	
15	30		Cum	1	15.00	5.10	4.90	5.00	0.30	22.50	
30	45		Cum	1	15.00	4.90	4.70	4.80	0.30	21.60	
45	50		Cum	1	5.00	4.70	4.00	4.35	0.30	6.53	
50	60		Cum	1	10.00	4.90	4.90	4.90	0.30	14.70	
60	75		Cum	1	15.00	4.90	4.60	4.75	0.30	21.38	
75	86.9		Cum	1	11.90	4.60	4.80	4.70	0.30	16.78	
86.9	89.7		Cum	1	2.80	3.50	3.60	3.55	0.30	2.98	
		Cross Road-2 Adjucent Road									
		From West to East									
0	15		Cum	1	15.00	3.70	3.60	3.65	0.30	16.43	
15	30		Cum	1	15.00	3.60	3.50	3.55	0.30	15.98	
30	44.6		Cum	1	14.60	3.50	3.50	3.50	0.30	15.33	
44.6	52.7		Cum	1	8.10	4.20	3.80	4.00	0.30	9.72	
52.7	59.8		Cum	1	7.10	2.40	2.45	2.43	0.30	5.17	
									192.36		
		Deduction									
			Cum	-2	0.30	0.30	0.30	0.30	0.30	-0.05	
		Chember									
			Cum	-1	0.44				0.30	-0.13	
					Area of circle=(3.14X0.75²)/4=0.44						
			Cum	-5	0.64				0.30	-0.95	
					Area of circle=(3.14X0.9²)/4=0.64						
									Total Executed Quantity	191.22	
									Qty Carried to Summary	191.22	

Contactor

PMC

Assistant Executive Engineer

Scanned by CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward No 06 Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.13		Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		20.04.2024									
		Maruthi Saw Mill Main Road (Right Side North Side)									
		Cross Road -1									
		From South to North									
0	15		Cum	1	15.00	4.80	4.70	4.75	0.50	35.63	
15	33		Cum	1	18.00	4.70	4.40	4.55	0.50	40.95	
		Cross Road -2									
		From South to North									
0	12.2		Cum	1	12.20	4.20	4.30	4.25	0.50	25.93	
12.2	18.4		Cum	1	6.20	4.95	4.80	4.88	0.50	15.11	
18.4	33		Cum	1	14.60	4.40	4.30	4.35	0.50	31.76	
		Cross Road -4									
		From South to North									
0	15		Cum	1	15.00	6.00	5.10	5.55	0.50	41.63	
15	23		Cum	1	8.00	5.10	5.10	5.10	0.50	20.40	
23	31		Cum	1	8.00	3.60	3.00	3.30	0.50	13.20	
31	33.4		Cum	1	2.40	4.00	3.80	3.90	0.50	4.68	
		Cross Road -5									
		From South to North									
0	15		Cum	1	15.00	2.00	4.40	3.20	0.50	24.00	
15	28.3		Cum	1	13.30	4.40	4.45	4.43	0.50	29.43	
28.3	32.6		Cum	1	4.30	4.45	4.50	4.48	0.50	9.62	
		Cross Road -6									
		LHS (West Side)									
		From South to North									
0	15		Cum	1	15.00	5.10	5.00	5.05	0.50	37.88	
15	30		Cum	1	15.00	5.00	4.80	4.90	0.50	36.75	
		Cross Road-7									
		From South to North									
0	15		Cum	1	15.00	5.25	5.00	5.13	0.50	38.44	
15	28.4		Cum	1	13.40	5.00	4.50	4.75	0.50	31.83	
		Maruthi Saw Mill Main Road (Left Side South Side)									
		Cross Road -1									
		RHS (West Side)									
		From North to South									
0	14.4		Cum	1	14.40	4.75	4.70	4.73	0.50	34.02	
14.4	21.4		Cum	1	7.00	4.70	4.90	4.80	0.50	16.80	
		Cross Road -3									
		From North to South									
0	15		Cum	1	15.00	4.85	4.90	4.88	0.50	36.56	
15	21		Cum	1	6.00	4.90	4.90	4.90	0.50	14.70	

529.29

CHECKED

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂ.ಮ.ಪಾ. ಬೆಂಗಳೂರು-26

Contactor

CIVIL P.T.O. BANGALORE

ಸಹಾಯಕ ಅಭಿಯಂತರರು
Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Scanned by CamScanner

21			Cum	1	1.10	4.10	3.70	3.90	0.50	2.15	
		Cross Road-5									
		From North to South									
			Cum	1	15.10	5.10	4.90	5.00	0.50	37.75	
0	15.1		Cum	1	14.90	5.20	5.00	5.10	0.50	38.00	
15.1	30		Cum	1	6.50	5.00	4.95	4.98	0.50	16.17	
30	36.5		Cum	1	6.70	4.65	4.40	4.53	0.50	15.16	
36.5	43.2										
		Cross Road -6									
		From North to South									
			Cum	1	4.00	2.10	4.90	3.50	0.50	7.00	
0	4		Cum	1	11.00	5.10	5.00	5.05	0.50	27.78	
4	15		Cum	1	15.00	5.00	4.50	4.75	0.50	35.63	
15	30		Cum	1	14.20	4.50	4.05	4.28	0.50	30.35	
30	44.2										
		Cross Road -7									
		From North to South									
			Cum	1	15.00	5.00	4.90	4.95	0.50	37.13	
0	15		Cum	1	17.00	4.90	4.70	4.80	0.50	40.80	
15	32		Cum	1	10.70	4.70	4.75	4.73	0.50	25.28	
32	42.7		Cum	1	2.30	5.70	5.80	5.75	0.50	6.61	
42.7	45										
		Deduction									
			Cum	-1	2.10	0.50	0.50	0.50	0.50	-0.53	
			Cum	-1	1.10	0.55	0.55	0.55	0.50	-0.30	
			Cum	-1	1.60	0.70	0.70	0.70	0.50	-0.56	
			Cum	-1	0.60	0.60	0.60	0.60	0.50	-0.18	
			Cum	-2	0.30	0.30	0.30	0.30	0.50	-0.09	
			Cum	-1	0.80	0.23	0.23	0.23	0.50	-0.09	
		Chember									
			Cum	-10	0.44				0.15	-0.66	
					Area of circle=(3.14X0.75²)/4=0.44						
			Cum	-6	0.64				0.15	-0.57	
					Area of circle=(3.14X0.9²)/4=0.64						
									Total Executed Quantity	856.09	
									Qty Carried to Summary	856.09	

Contactor

CIVIL CPIO BANGALORE PMC

Assistant Executive Engineer

Scanned by CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward No 06

Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.14		Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi Saw Mill Main Road (Right Side North Side)									
		Cross Road -1									
		From South to North									
0	15		Sqm	1	15.00	4.80	4.70	4.75		71.25	
15	33		Sqm	1	18.00	4.70	4.40	4.55		81.90	
		Cross Road -2									
		From South to North									
0	12.2		Sqm	1	12.20	4.20	4.30	4.25		51.85	
12.2	18.4		Sqm	1	6.20	4.95	4.80	4.88		30.23	
18.4	33		Sqm	1	14.60	4.40	4.30	4.35		63.51	
		Cross Road -4									
		From South to North									
0	15		Sqm	1	15.00	6.00	5.10	5.55		83.25	
15	23		Sqm	1	8.00	5.10	5.10	5.10		40.80	
23	31		Sqm	1	8.00	3.60	3.00	3.30		26.40	
31	33.4		Sqm	1	2.40	4.00	3.80	3.90		9.36	
		Cross Road -5									
		From South to North									
0	15		Sqm	1	15.00	2.00	4.40	3.20		48.00	
15	28.3		Sqm	1	13.30	4.40	4.45	4.43		58.85	
28.3	32.6		Sqm	1	4.30	4.45	4.50	4.48		19.24	
		Cross Road -6									
		LHS (West Side)									
		From South to North									
0	15		Sqm	1	15.00	5.10	5.00	5.05		75.75	
15	30		Sqm	1	15.00	5.00	4.80	4.90		73.50	
		Cross Road-7									
		From South to North									
0	15		Sqm	1	15.00	5.25	5.00	5.13		76.88	
15	28.4		Sqm	1	13.40	5.00	4.50	4.75		63.65	
		Maruthi Saw Mill Main Road (Left Side South Side)									
		Cross Road -1									
		RHS (West Side)									
		From North to South									
0	14.4		Sqm	1	14.40	4.75	4.70	4.73		68.04	
14.4	21.4		Sqm	1	7.00	4.70	4.90	4.80		33.60	
		Cross Road -2									
		From North to South									
0	15		Sqm	1	15.00	5.25	5.10	5.18		77.63	
15	30		Sqm	1	15.00	5.10	4.90	5.00		75.00	

1128.05

Contactor

Assistant Engineer

Assistant exicutive Engineer

Scanned by CamScanner

30	45		Sqm	1	15.00	4.90	4.70	4.80		72.00	
45	60		Sqm	1	5.00	4.70	4.00	4.35		21.75	
50	75		Sqm	1	10.00	4.90	4.90	4.90		49.00	
60	86.9		Sqm	1	15.00	4.90	4.60	4.75		71.25	
75	89.7		Sqm	1	11.90	4.60	4.80	4.70		55.93	
86.9			Sqm	1	2.80	3.50	3.60	3.55		9.94	
		Cross Road-2 Adjucent Road From West to East									
0	15		Sqm	1	15.00	3.70	3.60	3.65		54.75	
15	30		Sqm	1	15.00	3.60	3.50	3.55		53.25	
30	44.6		Sqm	1	14.60	3.50	3.50	3.50		51.10	
44.6	52.7		Sqm	1	8.10	4.20	3.80	4.00		32.40	
52.7	59.8		Sqm	1	7.10	2.40	2.45	2.43		17.22	
		Cross Road -3 From North to South									
0	15		Sqm	1	15.00	4.85	4.90	4.88		73.13	
15	21		Sqm	1	6.00	4.90	4.90	4.90		29.40	
21	22.1		Sqm	1	1.10	4.10	3.70	3.90		4.29	
		Cross Road-5 From North to South									
0	15.1		Sqm	1	15.10	5.10	4.90	5.00		75.50	
15.1	30		Sqm	1	14.90	5.20	5.00	5.10		75.99	
30	36.5		Sqm	1	6.50	5.00	4.95	4.98		32.34	
36.5	43.2		Sqm	1	6.70	4.65	4.40	4.53		30.32	
		Cross Road -6 From North to South									
0	4		Sqm	1	4.00	2.10	4.90	3.50		14.00	
4	15		Sqm	1	11.00	5.10	5.00	5.05		55.53	
15	30		Sqm	1	15.00	5.00	4.50	4.75		71.25	
30	44.2		Sqm	1	14.20	4.50	4.05	4.28		60.71	
		Cross Road -7 From North to South									
0	15		Sqm	1	15.00	5.00	4.90	4.95		74.25	
15	32		Sqm	1	17.00	4.90	4.70	4.80		81.60	
32	42.7		Sqm	1	10.70	4.70	4.75	4.73		50.56	
42.7	45		Sqm	1	2.30	5.70	5.80	5.75		13.23	
		Deduction									
			Sqm	-1	2.10	0.50	0.50	0.50		-1.05	
			Sqm	-1	1.10	0.55	0.55	0.55		-0.61	
			Sqm	-1	1.60	0.70	0.70	0.70		-1.12	
			Sqm	-1	0.60	0.60	0.60	0.60		-0.36	
			Sqm	-2	0.30	0.30	0.30	0.30		-0.18	
			Sqm	-1	0.80	0.23	0.23	0.23		-0.18	
		Chember									
			Sqm	-10	0.44					-4.42	
					Area of circle=(3.14X0.75²)/4=0.44						
			Sqm	-6	0.64					-3.82	
					Area of circle=(3.14X0.9²)/4=0.64						
									Total Executed Quantity	2347.64	
									Qty Carried to Summary	2347.64	

1830.69

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

BBMP (Ward No 06)

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Maruthi Saw Mill Road Surrounding Area Roads in Ward No 06

Thanisandra

PRE MEASUREMENT SHEET

First And Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.15		Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi Saw Mill Main Road (Right Side North Side)									
		Cross Road -1									
		From South to North									
0	15		Cum	1	15.00	4.80	4.70	4.75	0.20	14.25	
15	33		Cum	1	18.00	4.70	4.40	4.55	0.20	16.38	
		Cross Road -2									
		From South to North									
0	12.2		Cum	1	12.20	4.20	4.30	4.25	0.20	10.37	
12.2	18.4		Cum	1	6.20	4.95	4.80	4.88	0.20	6.05	
18.4	33		Cum	1	14.60	4.40	4.30	4.35	0.20	12.70	
		Cross Road -4									
		From South to North									
0	15		Cum	1	15.00	6.00	5.10	5.55	0.20	16.65	
15	23		Cum	1	8.00	5.10	5.10	5.10	0.20	8.16	
23	31		Cum	1	8.00	3.60	3.00	3.30	0.20	5.28	
31	33.4		Cum	1	2.40	4.00	3.80	3.90	0.20	1.87	
		Cross Road -5									
		From South to North									
0	15		Cum	1	15.00	2.00	4.40	3.20	0.20	9.60	
15	28.3		Cum	1	13.30	4.40	4.45	4.43	0.20	11.77	
28.3	32.6		Cum	1	4.30	4.45	4.50	4.48	0.20	3.85	
		Cross Road -6									
		LHS (West Side)									
		From South to North									
0	15		Cum	1	15.00	5.10	5.00	5.05	0.20	[illegible]	
15	30		Cum	1	15.00	5.00	4.80	4.90	0.20	[illegible]	
		Cross Road-7									
		From South to North									
0	15		Cum	1	15.00	5.25	5.00	5.13	0.20	15.38	
15	28.4		Cum	1	13.40	5.00	4.50	4.75	0.20	12.73	
		Maruthi Saw Mill Main Road (Left Side South Side)									
		Cross Road -1									
		RHS (West Side)									
		From North to South									
0	14.4		Cum	1	14.40	4.75	4.70	4.73	0.20	13.61	
14.4	21.4		Cum	1	7.00	4.70	4.90	4.80	0.20	6.72	
		Cross Road -3									
0	15	From North to South									
			Cum	1	15.00	4.85	4.90	4.88	0.20	14.63	

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			Cum	1	6.00	4.90	4.90	4.90	0.20	5.88	
			Cum	1	1.10	4.10	3.70	3.90	0.20	0.86	
		Cross Road-5									
		From North to South									
0	15.1		Cum	1	15.10	5.10	4.90	5.00	0.20	15.10	
15.1	30		Cum	1	14.90	5.20	5.00	5.10	0.20	15.20	
30	36.5		Cum	1	6.50	5.00	4.95	4.98	0.20	6.47	
36.5	43.2		Cum	1	6.70	4.65	4.40	4.53	0.20	6.06	
		Cross Road -6									
		From North to South									
0	4		Cum	1	4.00	2.10	4.90	3.50	0.20	2.80	
4	15		Cum	1	11.00	5.10	5.00	5.05	0.20	11.11	
15	30		Cum	1	15.00	5.00	4.50	4.75	0.20	14.25	
30	44.2		Cum	1	14.20	4.50	4.05	4.28	0.20	12.14	
		Cross Road -7									
		From North to South									
0	15		Cum	1	15.00	5.00	4.90	4.95	0.20	14.85	
15	32		Cum	1	17.00	4.90	4.70	4.80	0.20	16.32	
32	42.7		Cum	1	10.70	4.70	4.75	4.73	0.20	10.11	
42.7	45		Cum	1	2.30	5.70	5.80	5.75	0.20	2.65	
		Deduction									
			Cum	-1	2.10	0.50	0.50	0.50	0.20	-0.21	
			Cum	-1	1.10	0.55	0.55	0.55	0.20	-0.12	
			Cum	-1	1.60	0.70	0.70	0.70	0.20	-0.22	
			Cum	-1	0.60	0.60	0.60	0.60	0.20	-0.07	
			Cum	-2	0.30	0.30	0.30	0.30	0.20	-0.04	
			Cum	-1	0.80	0.23	0.23	0.23	0.20	-0.04	
		Chember									
			Cum	-10	0.44				0.20	-0.88	
					Area of circle=(3.14X0.75²)/4=0.44						
			Cum	-6	0.64				0.20	-0.76	
					Area of circle=(3.14X0.9²)/4=0.64						
										Total Executed Quantity	**341.28**
										Qty Carried to Summary	**341.28**

Contactor

PMC

CIVIL Pro BANGALORE

Assistant Engineer

Assistant Executive Engineer

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